

ABSTRACT OF THE DISCLOSURE

A mask used for exposing a porous substrate to form a first region and a second region, the first region being filled with a conductive material piercing through the entire thickness of the porous substrate to constitute an interfacial conductive portion, the second region being filled with a conductive material not piercing the entire thickness of the porous substrate to constitute a non-interfacial conductive portion. The mask includes a first light-transmitting region for exposing the first region, and a second light-transmitting region for exposing the second region, said second light-transmitting region including an aggregation of fine patterns of which an average aperture ratio is not more than 50% of an average aperture ratio of the first light-transmitting region and a size of said fine patterns of the second light-transmitting region being in the range of 0.1 μ m to 10 μ m.